

Work Order ID 85157

June-04-12 10:07:05 AM

85157

Page 2

Item ID: DSI 9614-011 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: PRELIM Stop ***NS2***
Item Name: Bracket Installation
Start Date: 6/04/12 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 6/08/12 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP DSI 9614-011 Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

POSITIVE RECALL

EFFECTIVE 12/06/14 AUTH MF

RELEASED 8 DATE 12/06/14

MLJ 12/06/14
MF 12-06-14

Picklist Print

Page 1

June-04-12 10:07:05 AM

Work Order ID: 85157

Parent Item: DSI 9614-011

Parent Item Name: Bracket Installation

Start Date: 6/04/12

Required Date: 6/08/12

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.06.04 NEW ISSUE DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4659-1 Bracket, LH		Manufactured	No			110	Each	0.0000	1	1	85493		
D4659-2 Bracket, RH		Manufactured	No			110	Each	0.0000	1	1	83350		
MS27039-1-08 Screw		Purchased	No			110	Each	1,529.0000	2	2			

Location	Loc Qty	Loc Code
ST291	1529	
117423	81	
119075	1	
120308	404	
121011	43	
121243	500	
121708	500	

NAS1149D0316J

Washer

Purchased

No

110

Each

0.0000

AN9603D10LL

ST337A

AS43DD3-10

B# MA347

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 12.06.13	Job No.:	ADR Yes/No: Y	ADR Date: 12.06.13	ECN #: 12- 607
Product No.: D412-694		Created By: RP	Approved By:	
Product Name: Spacedoor		Checked By: <i>[Signature]</i>		

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL/MF	
Purchasing Coord.	Y	CL	
Production Engineering Coord.	Y	JL	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	Y	PS	
QC Coordinator	Y	ED	
Customer Technical Support			
Marketing	Y	SW	
Customer Order Processing			

Reason for Change: Leading edge bracket D3126-1 wears prematurely if aircraft is flown a significant amount of time with Spacedoor open

Documents Affected:

DSI 9614 Rev. A
D4659 Rev. A
MDL-D412-694 Rev. C

PAPERWORK UPDATE ☐

PARTS MUST COMPLY ☐

PREVIOUS PARTS SATISFACTORY ☒

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3		N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	Y	RP		
6	Update Product Compatability Matrix	N			
7	Create Eurocopter Form (FEE)	N			
8	Notify TC / FAA of Change	N			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files/Design Journal	Y	KJ		
11	Update Product Specification Files	Y	KJ		
12	Update Approved/Preliminary Dwg PDF Files	Y	KJ		12.06.13 <i>[Signature]</i>
13	Update Document Record (DR)	N			12.06.13 <i>[Signature]</i>
14	Update Product Development Summary	N			
15	Update QSI 021 and/or STC Approval List	N			
16	Update Parts / STC Database	Y	KJ		12.06.13 <i>[Signature]</i>
17	Update / Verify ARC Database	Y	KJ		
18	Create / Update Change Record Form / Item Card Database	Y	KJ	DSI 9614-011 @ GHG 001	
19	Create / Update PPP's	Y	KJ		
20	Red Decals required?	N			
21	Update Document Control Database / Laminated Dwgs	N			
22	Update Grey Project / Electronic Binder PDF Files	N			
23	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		
24					

Description / Action:

DSI 9614-011 is an optional kit. It should only be sold to customers requesting it.

ECN Verified & Complete: _____ Date: _____

DART SERVICE INSTRUCTION

TO AMEND IIN-D412-694 REV. B OR LATER APPROVED REVISION
AND ICA-D412-694 REV. 1 OR LATER APPROVED REVISION
REF. TCCA STC: SH05-10
REF. FAA STC: SR02086NY
REF. EASA STC: EASA.IM.R.S.01085

1.0 PURPOSE

Field experience has shown that the D3126-1 bracket which is part of the D412-694-01/-02 Door Assemblies may wear prematurely if the aircraft is flown a significant amount of time with the sliding door open. Dart has developed the DSI 9614-011 kit which includes the D4659-1/-2 brackets. These longer brackets replace bracket D3126-1 on the leading edge of the door.

2.0 INSTALLATION (applies to both Left and Right Door)

- 2.1 At the discretion of the installer, remove the sliding door from the aircraft per Section 52.1 of ICA-D412-694
- 2.2 Remove the forward bracket, D3126-1.
- 2.3 Install the D4659-1/-2 bracket (as applicable) in lieu of the D3126-1 bracket removed in step 2.2 as shown in Figure 1 of this DSI. Form D4659-1/-2 brackets as required to fit the door contour.
- 2.4 Torque hardware per ICA-D412-694.
- 2.5 Re-install sliding door on aircraft per Section 52.2/52.3 of ICA-D412-694 (as applicable).
- 2.6 Make entry in technical records of aircraft indicating that DSI 9614 has been completed.

3.0 WEIGHT AND BALANCE

With the DSI 9614-011 Kit installed, the weight and balance is as per IIN-D412-694 Section 4.

4.0 PARTS LIST

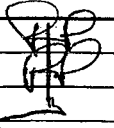
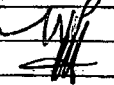
QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9614-011	BRACKET KIT
1	D4659-1	BRACKET, LH
1	D4659-2	BRACKET, RH
2	MS27039-1-08	SCREW
2	NAS43DD3-10	SPACER
2	AN960JD10LL	WASHER

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 12.06.08
CERT. NO.: SH05-10
ISSUE NO.: 1

A	NEW ISSUE	RP	12.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN		DRAWING NO.	REV. A
CHECKED		DSI 9614	SHEET 1 OF 2
MFG. APPR.	N/A	TITLE	SPACEDOOR FORWARD SCALE
APPROVED		BRACKET CHANGE	NTS
DE APPR.		COPYRIGHT © 2012 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	12.06.08		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

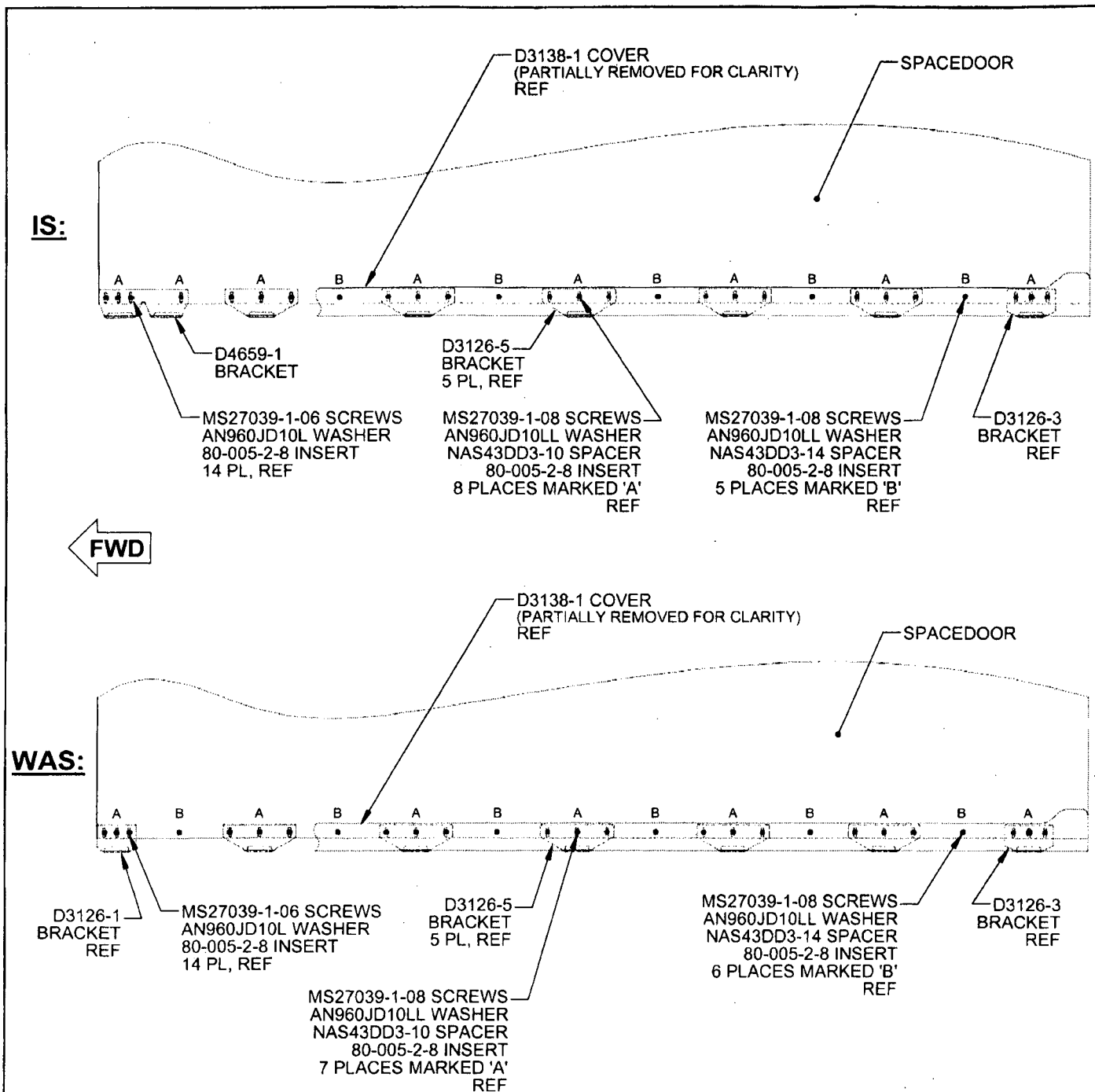


FIGURE 1: BRACKET INSTALLATION
(-01 DOOR SHOWN, -02 OPPOSITE)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 12.06.08
CERT. NO.: SH05-10
ISSUE NO.: 1

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO. DSI 9614	REV. A
MFG. APPR.	N/A		SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE SPACEDOOR FORWARD	SCALE
DE APPR.	<i>[Signature]</i>	BRACKET CHANGE	NTS
DATE	12.06.08	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries